



```

name: <unnamed>
log: F:\fiscal_research\mayor\PSRM_data\PSRM_descstat1_log.smcl
log type: smcl
opened on: 19 Dec 2023, 11:17:29

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1 .
2 . ** Log file for Analysis: Figure 1, Figure A.4, Figure A.5, Table B.1 **
3 .
4 .
5 .
6 . * Figure 1-(a)
7 . sort year_monthD

8 . twoway line fed_act_yr_mth_mil year_monthD, ///
> legend(label(1 "Federal Action Obligation")) ///
> xscale(noline) yscale(noline) ///
> ytitle("Grant ($ million)") xtitle("Date") ///
> ylabel(,angle(horizontal)) ///
> tlabel(01oct2005(365)30sep2021, angle(45),)

9 .
end of do-file

10. do "C:\Users\heonu\AppData\Local\Temp\STD7864_000000.tmp"

11.
12.
13. * Figure 1-(b)
14. sort award_dept_acr_up

15.
16. graph bar fed_act_agency_mil, ///
> over (award_dept_acr_up, label(labsize(vsmall) angle(65)) sort(fed_act_agency_mil) d
> ascending) ///
> legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
> ytitle("Grant ($ million)") bltitle("Agency")

17.
end of do-file

18. do "C:\Users\heonu\AppData\Local\Temp\STD7864_000000.tmp"

19.
20. * Figure A.4
21. sort fed_act_mth_mil

22. graph bar fed_act_mth_mil, ///
> over (action_date_fiscal_mon, label(labsize(vsmall) angle(65))) ///
> legend(label(1 "Grant")) ylabel(,labsize(small)) ytitle("") ///
> ytitle("Grant ($ million)") bltitle("Month")

23.
end of do-file

24. do "C:\Users\heonu\AppData\Local\Temp\STD7864_000000.tmp"

25.
26. drop if cfda_number1==".."
(154 observations deleted)

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27.
28.
29. bysort awarding_agency_name cfda_number1: keep if _n==1
    (210,261 observations deleted)

30.
31.
32. gen dept=awarding_agency_name

33. replace dept="Others" if inlist(dept, "CORPORATION FOR NATIONAL AND COMMUNITY SERVIC
    > E (CNCS)", "ELECTION ASSISTANCE COMMISSION (EAC)", "EXECUTIVE OFFICE OF THE PRESIDEN
    > T (EOP)")
    (9 real changes made)

34. replace dept="Others" if inlist(dept, "INSTITUTE OF MUSEUM AND LIBRARY SERVICES (IML
    > S)", "NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)", "NATIONAL ARCHIVES AND
    > RECORDS ADMINISTRATION (NARA)")
    (8 real changes made)

35. replace dept="Others" if inlist(dept, "NATIONAL ENDOWMENT FOR THE ARTS (NEA)", "SMAL
    > L BUSINESS ADMINISTRATION (SBA)", "SOCIAL SECURITY ADMINISTRATION (SSA)", "SURFACE T
    > RANSPORTATION BOARD (STB)")
    (7 real changes made)

36.
37.
38.
39. split dept, p("(")
    variables created as string:
    dept1 dept2

40. split dept2, p(")")
    variable created as string:
    dept21

41.
42.
43.
44. replace dept21="Others" if missing(dept21)
    (24 real changes made)

45.
46. * replace dept21="Others" if inlist(dept21, "DOD", "VA", "TREAS")
47.
48.
49.
50. * Table B.1 - Column 1, 2
51. drop if missing(cfda_number1)
    (0 observations deleted)

52. drop if cfda_number1==".."
    (0 observations deleted)

53.
54.
55. bysort awarding_agency_name cfda_number1: keep if _n==1 // * total number of grants:
    > 701
    (0 observations deleted)

56.

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57. gen grant=1

58.

59. bysort awarding_agency_name: egen grant_count=total(grant)

60.

61. tabstat grant_count, by(awarding_agency_name) stat(n) // column 1

Summary for variables: grant_count
by categories of: awarding_agency_name

awarding_agency_name	N
APPALACHIAN REGIONAL	4
CONSUMER PRODUCT SAF	1
CORPORATION FOR NATI	7
DELTA REGIONAL AUTHO	1
DENALI COMMISSION (D	1
DEPARTMENT OF AGRICU	48
DEPARTMENT OF COMMER	20
DEPARTMENT OF DEFENS	18
DEPARTMENT OF EDUCAT	68
DEPARTMENT OF ENERGY	22
DEPARTMENT OF HEALTH	172
DEPARTMENT OF HOMELA	28
DEPARTMENT OF HOUSIN	42
DEPARTMENT OF JUSTIC	76
DEPARTMENT OF LABOR	19
DEPARTMENT OF THE IN	61
DEPARTMENT OF THE TR	3
DEPARTMENT OF TRANSP	36
DEPARTMENT OF VETERA	3
ELECTION ASSISTANCE	1
ENVIRONMENTAL PROTEC	54
EXECUTIVE OFFICE OF	1
INSTITUTE OF MUSEUM	5
NATIONAL AERONAUTICS	2
NATIONAL ARCHIVES AN	1
NATIONAL ENDOWMENT F	1
SMALL BUSINESS ADMIN	3
SOCIAL SECURITY ADMI	1
SURFACE TRANSPORTATI	2
Total	701

62.

63. gen grant_count_rat=grant_count/701

64.

65. tabstat grant_count_rat, by(awarding_agency_name) stat(mean) // column 2

Summary for variables: grant_count_rat
by categories of: awarding_agency_name

awarding_agency_name	mean
APPALACHIAN REGIONAL	.0057061
CONSUMER PRODUCT SAF	.0014265
CORPORATION FOR NATI	.0099857
DELTA REGIONAL AUTHO	.0014265
DENALI COMMISSION (D	.0014265
DEPARTMENT OF AGRICU	.0684736
DEPARTMENT OF COMMER	.0285307
DEPARTMENT OF DEFENS	.0256776
DEPARTMENT OF EDUCAT	.0970043
DEPARTMENT OF ENERGY	.0313837
DEPARTMENT OF HEALTH	.2453638
DEPARTMENT OF HOMELA	.0399429
DEPARTMENT OF HOUSIN	.0599144
DEPARTMENT OF JUSTIC	.1084165
DEPARTMENT OF LABOR	.0271041

DEPARTMENT OF THE IN	.0870185
DEPARTMENT OF THE TR	.0042796
DEPARTMENT OF TRANSP	.0513552
DEPARTMENT OF VETERA	.0042796
ELECTION ASSISTANCE	.0014265
ENVIRONMENTAL PROTEC	.0770328
EXECUTIVE OFFICE OF	.0014265
INSTITUTE OF MUSEUM	.0071327
NATIONAL AERONAUTICS	.0028531
NATIONAL ARCHIVES AN	.0014265
NATIONAL ENDOWMENT F	.0014265
SMALL BUSINESS ADMIN	.0042796
SOCIAL SECURITY ADMI	.0014265
SURFACE TRANSPORTATI	.0028531
Total	.1108484

```

66.
67.
   end of do-file

68. do "C:\Users\heonu\AppData\Local\Temp\STD7864_000000.tmp"

69.
70. * Figure A.5
71. graph pie, over(dept21) sort descending legend(rows(3) size(*.7)) plabel(_all percen
   > t, color(white) size(*0.6) format(%2.1f))

72.
73.
   end of do-file

74. do "C:\Users\heonu\AppData\Local\Temp\STD7864_000000.tmp"

75.
76.
77. bysort awarding_agency_name: keep if _n==1
   (672 observations deleted)

78.
79.
80. * Table B.1 - Column 3, 4
81.
82.
83. gen grant_agen_sum=sum(fed_act_agency_mil) // 57264.12

84.
85. gen fed_act_agency_mil_rat=fed_act_agency_mil/57264.12

86.
87. tabstat fed_act_agency_mil, by(awarding_agency_name) stat(mean) // column 3

Summary for variables: fed_act_agency_mil
   by categories of: awarding_agency_name

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awarding_agency_name	mean
APPALACHIAN REGIONAL	108.0585
CONSUMER PRODUCT SAF	.234243
CORPORATION FOR NATI	131.3495
DELTA REGIONAL AUTHO	31.01882
DENALI COMMISSION (D	1.392
DEPARTMENT OF AGRICU	3287.545
DEPARTMENT OF COMMER	2091.971
DEPARTMENT OF DEFENS	135.7589
DEPARTMENT OF EDUCAT	2874.681
DEPARTMENT OF ENERGY	2439.279
DEPARTMENT OF HEALTH	6429.189
DEPARTMENT OF HOMELA	8630.811
DEPARTMENT OF HOUSIN	9453.128
DEPARTMENT OF JUSTIC	1305.562

DEPARTMENT OF LABOR	167.2109
DEPARTMENT OF THE IN	244.6479
DEPARTMENT OF THE TR	2.121759
DEPARTMENT OF TRANSP	18157.91
DEPARTMENT OF VETERA	20.02576
ELECTION ASSISTANCE	.025
ENVIRONMENTAL PROTEC	1456.345
EXECUTIVE OFFICE OF	257.5924
INSTITUTE OF MUSEUM	3.056906
NATIONAL AERONAUTICS	4.103655
NATIONAL ARCHIVES AN	1.222121
NATIONAL ENDOWMENT F	20.70227
SMALL BUSINESS ADMIN	5.096253
SOCIAL SECURITY ADMI	.921455
SURFACE TRANSPORTATI	3.156556
Total	1974.625

88.

89. tabstat fed_act_agency_mil_rat, by(awarding_agency_name) stat(mean) // column 4

Summary for variables: fed_act_agency_mil_rat
by categories of: awarding_agency_name

awarding_agency_name	mean
APPALACHIAN REGIONAL	.001887
CONSUMER PRODUCT SAF	4.09e-06
CORPORATION FOR NATI	.0022937
DELTA REGIONAL AUTHO	.0005417
DENALI COMMISSION (D	.0000243
DEPARTMENT OF AGRICU	.0574102
DEPARTMENT OF COMMER	.036532
DEPARTMENT OF DEFENS	.0023708
DEPARTMENT OF EDUCAT	.0502004
DEPARTMENT OF ENERGY	.042597
DEPARTMENT OF HEALTH	.1122726
DEPARTMENT OF HOMELA	.1507193
DEPARTMENT OF HOUSIN	.1650794
DEPARTMENT OF JUSTIC	.0227989
DEPARTMENT OF LABOR	.00292
DEPARTMENT OF THE IN	.0042723
DEPARTMENT OF THE TR	.0000371
DEPARTMENT OF TRANSP	.3170905
DEPARTMENT OF VETERA	.0003497
ELECTION ASSISTANCE	4.37e-07
ENVIRONMENTAL PROTEC	.0254321
EXECUTIVE OFFICE OF	.0044983
INSTITUTE OF MUSEUM	.0000534
NATIONAL AERONAUTICS	.0000717
NATIONAL ARCHIVES AN	.0000213
NATIONAL ENDOWMENT F	.0003615
SMALL BUSINESS ADMIN	.000089
SOCIAL SECURITY ADMI	.0000161
SURFACE TRANSPORTATI	.0000551
Total	.0344828

90.

91.

92.

93.

94.

95. log close

name: <unnamed>

log: F:\fiscal_research\mayor\PSRM_data\PSRM_descstat1_log.smcl

log type: smcl

closed on: 19 Dec 2023, 11:18:06